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PRODUCT: UltraCastXT is an ambient temperature curing, optically transparent, solvent free, high gloss epoxy coating/casting resin. Excellent surface heat resistance up to 95°C. Long open time (approx. 1.5hrs).

PROPERTIES AND USES: UltraCastXT resin produces a high gloss, flexible and tough coating with good impact and abrasion resistance. The excellent optical clarity and viscosity makes it ideal for the following applications:

- Sealing and coating of artwork/paintings made with Acrylic paint, Oil paint & Watercolour paints.
- Sculptures and mould castings (up to 1000cc in volume).
- Tabletops, bar counters and kitchen worktops.
- Penny floor and pigmented epoxy floor applications.

APPLICATION: By pouring, brush or roller.

VISCOSITY:
Resin @20°C (68°F) 5000 – 5500 mPa.s.
Hardener @20°C (68°F) 500 – 550 mPa.s.
Mixed Viscosity @20°C (68°F) 1500 – 1600 mPa.s.

SETTING TIME:
(250g mixed resin) @20°C (68°F) 2–2½ Hours
(500g mixed resin) 1 Hour 35 Minutes
(5mm castings) 12 Hours
(2mm coating) 24 Hours

COLOUR:
Resin Clear – Transparent
Hardener Clear – Transparent

TOUCH DRY: @20°C (68°F) 24 Hours

SPECIFIC GRAVITY:
Resin @20°C (68°F) 1.11 – 1.15 g/cm³
Hardener @20°C (68°F) 0.94 – 0.96 g/cm³

HARDNESS:
(Cured 24 Hours / 25°C (77°F)) Shore D: 75 – 80
Hardness at 60°C (140°F) Shore D 50 – 55

MIXING RATIO: By Weight / Volume
100 parts Resin
50 parts Hardener

MINIMUM APPLICATION TEMPERATURE: 10°C (50°F)

COVERAGE:
(applied 0.5mm thick) 1m² per 0.5 litre mixed resin
(applied by brush 2-3micron thick) 1m² per 0.25 litre mixed resin

STORAGE STABILITY: Stored under dry and cool conditions in sealed packaging: 12 months.

TOXICITY: Non-toxic at ambient temperatures, very low skin irritation potential. However, gloves should be worn and adequate ventilation must be ensured during application.

PRACTICAL WORKING TIME: @20°C (68°F)
(250g mixed resin) 1½ – 1¾ Hours
(500g mixed resin) 1 Hour 10 Minutes

NOTICE: The technical specification and/or our technical advice, whether verbal, in writing or by trials, is given in good faith and based on our test results obtained but without warranty. It does not release the user from the obligation to test the products supplied by us or any third party as to the suitability for the intended application.

GELTIME: @20°C (68°F)
(250g mixed resin) 2 Hours
(500g mixed resin) 1 Hour 30 Minutes
(5mm casting) 4–4½ Hours
(2mm coating) 12 Hours

The application, use and processing of the products are beyond our control and Eli-Chem Resins (UK) Ltd in respect of any sale of its products shall be determined by the terms of its conditions of sale.